Curriculum Vitae – Constantine Sorokin

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Fields

Game Theory, Political Economy, Mechanism Design, Conflict Resolution.

Education

Ph.D. in Applied Mathematics, Faculty of Computational Mathematics and Cybernetics, Lomonosov Moscow State University, 2010 (advisor - V.I. Zhukovskii).

M.S.   in Applied Mathematics (summa cum laude), Moscow State University, Faculty of Computational Mathematics and Cybernetics (2006).

Academic positions

2019 –	Lecturer of Economic, Glasgow University, Adam Smith Business School.
2018 –	Senior Researcher, International Laboratory of Game Theory and Decision Making, National Research University Higher School of Economics in St. Petersburg.
2010 – 2019	Associate Professor (Docent), National Research University Higher School of Economics.
2011 – 2018	Senior Researcher, International Laboratory of Decision Choice and Analysis, National Research University Higher School of Economics.
2015 – 2017	Senior Researcher, Center for the Study of Diversity and Social Interactions, New Economic School.
2012 – 2014	Senior Researcher, Institute of Control Sciences of Russian Academy of Sciences.
2010	Assistant Professor, National Research University Higher School of Economics.

Participations in applied projects

2011 – 2012	Development of Moscow suburban transport pricing policy. Joint work with "ERTA Analytical Group", contract of "Central suburban passenger company", Moscow.
2018	Decentralized Arbitration as a part of Digital Deal platform. Contract with Bankex, Moscow.

Publications: peer-reviewed

1. Sorokin, C. and A. Zakharov (2018), "Vote-motivated candidates," *Journal of Economic Theory*, 176, 232–254.
2. Deryugina E., A. Ponomarenko, A.Sinyakov, and C. Sorokin (2017), "Evaluating underlying inflation measures for Russia," *Macroeconomics and Finance in Emerging Market Economies*.
3. Sorokin, C. and A. Zakharov (2014), "Policy convergence in a two-candidate probabilistic voting model," *Social Choice and Welfare*, 43, 429–446.
4. Dodlova, M., S. Kiselgof, R. Menyashev, C. Sorokin, E. Khmelnitskay, and E. Chernina (2013), "Designing Public Transportation Tariff Scale by Modeling Demand (The Case of Moscow Region Commuter Railway)." *Voprosy e'konomiki*, №6, 100–119.
5. Sorokin, C. S. (2009), "Result-and-risk-guaranteed solution of a multicriteria dynamic problem." *Automation and Remote Control,* 70, 457–468.
6. Sorokin, C. S. (2008), Existence of an outcome- and risk-guaranteed solution to a multicriteria problem. *Moscow University Computational Mathematics and Cybernetics*, 32, 17–24.

Preprints and Work in Progress

1. C. Sorokin and E. Winter. Informational effects in conflict escalation (GEB RnR).
2. A. Savvateev, C. Sorokin, and S. Weber. Multidimensional free-mobility equilibrium: Tiebout revisited.
3. C. Sorokin and E. Winter. Pure Information Design in Classical Auctions.
4. A. Savvateev and C. Sorokin. Adverse Implementation.

Personal
Born July 11, 1984, in Moscow. Russian citizen. Married, two children.

Teaching experience

2014 –	Game theory, HSE, Faculty of Computer Science, undergraduate, in English.
2013 –	Decision theory, Perm S.U. (visiting), MiFIT, graduate, in English.
2013 – 2014	Mechanism design, HSE, Faculty of Computer Science, graduate.
2013 –	Advanced game theory, HSE, Faculty of Computer Science, undergraduate.
2010 – 2012	Optimization and decision making, HSE, Faculty of World Economy and International Affairs, undergraduate.
2011 –	Social choice and game-theoretic models, HSE, several faculties, undergraduate.

Supervision of problem sessions after lectures of professors Eric Maskin, Shmuel Zamir, Claude d'Aspremont, and Eyal Winter at HSE.

Visiting positions, workshops, educational projects, scientific schools and research seminars

2013	Hebrew University's Center for the Study of Rationality, visiting researcher.
2013 – 2016	Perm State University, visiting Associate Professor for Masters in Finance and Information Technology Program.
2015	NES CSDSI workshop "Mechanism Design: New Products, New Markets, New Models," instructor.
2017	The 28th Jerusalem Summer School in Economic Theory "The Mechanism Design."
2016	The 27th Jerusalem Summer School in Economic Theory "The Theory of Networks."
2015	The 26th Jerusalem Summer School in Economic Theory "Dynamic Games."
2015	HSE Game Theory Lab Workshop. St.Petersburg, HSE, 2015.
2015	Centre for Mathematics in Social Science Seminar, The University of Auckland, New Zealand.
2015	Economics Seminar, Deakin Graduate School of Business, Deakin University, Melbourne, Victoria, Australia.
2015	International School "Baikal Readings," Irkutsk, Russia.
2014	The 25th Jerusalem Summer School in Economic Theory "Matching and Market Design."
2014	International School "Baikal Readings," Irkutsk, Russia.
2013	The 24th Jerusalem Summer School in Economic Theory "Decision Making," 2013.
2010 – 2012	Seminar project: "Spatial economics: how geography matters for economics". Implemented by New Economic School (Moscow) as part of the Regional Seminar for Excellence of Teaching (ReSET) initiative of the Open Society Institute's Higher Education Support Program.

Major international conferences presentations
1. Sorokin, C. S., E. Winter, "Pure information design in classical auctions". *4th Lancaster Game Theory Conference.* Lancaster University, UK. November 2–3, 2018.
2. Sorokin, C. S., E. Winter, "Pure information design in classical auctions". *UECE Lisbon Meetings: Game Theory and Applications.* Instituto Superior de Economia e Gestão, Lisbon, Portugal. October 25–27, 2018.
3. Sorokin, C. S., E. Winter, "Pure information design in classical auctions". *29th Summer Festival on Game Theory in Economics.* Story Brook, US. July 16-23, 2018.
4. Sorokin, C. S., E. Winter, "Pure information design in classical auctions". *The 14th Meeting of Society for Social Choice and Welfare.* Seoul National University, Korea. June 14–17, 2018.
5. Sorokin, C. S., A. Savvateev, S. Weber, "A Multidimensional Theory of Spatial General Equilibrium: Tiebout Revisited." *GAMES 2016 − 5th World Congress of the Game Theory Society.* Maastricht, The Netherlands. July 24–28, 2016.
6. Sorokin, C. S., A. Savvateev, S. Weber, "A Multidimensional Theory of Spatial General Equilibrium: Tibout Revisited." *CORE@50 Conference: Bridging Gaps*, Louvain-la-Neuve, May 23-27, 2016.
7. Sorokin, C. S., A. Savvateev, S. Weber, "A Multidimensional Theory of Spatial General Equilibrium: Tiebout Revisited." *Conference of the Society of the Advancement of Economic Theory*, University of Cambridge, UK, July 27–31, 2015.
8. Sorokin C. S., A. Zakharov, "Candidate utility invariance under stochastic voting." *International Conference European Meeting on Game Theory (SING11- GTM2015)*, Saint Petersburg State University, Russia, July, 08–10, 2015.
9. Sorokin C. S., E. Winter, "The role of information in conflict escalation." *Western Economic Association International 11th International Conference*, Wellington, New Zealand, Jan 08–11, 2015.
10. Sorokin, C. S., E. Winter, "The role of information in conflict escalation." *International Workshop on Game Theory and Economic Applications of the Game Theory Society*, São Paulo, July 25–31, 2014.
11. Sorokin, C. S., A. Zakharov. "Candidate utility invariance under stochastic voting." *The 12th Meeting of the Society for Social Choice and Welfare*, Boston, MA, US, June 18–21, 2014.
12. Sorokin C. S., E. Winter, "Escalation games: Strategic delay and optimal contracts for teams." *Euro-Informs 26th European conference on operational research*, Rome, Italy, July, 1–4, 2013.
13. Sorokin C. S., "Strategic delay and optimal contracts for teams," *Second Russian economic congress*, Suzdal, Russia, December 10–11, 2013.
14. Sorokin C. S., A. Zakharov. "Policy convergence in a two-candidate probabilistic voting model," *The 11th Meeting of Society for Social Choice and Welfare*, New Delhi, India, August 17–20, 2012.

Sections in books (in Russian)
1. C. S. Sorokin. §3.6. Risks in a dynamic systems under conflict of interests: An example. // In: V. I. Zhukovskiy. *Conflicts and risks.* Moscow: RosZITLP. 2007. P. 417–431.
2. C. S. Sorokin. §3.8. Risks in multi-criteria control problems: Scalar case. // In: V. I. Zhukovskiy, M. E. Salukvadze. *Risks and outcomes in multicriteria control problems.* Tbilisi: Intelligence. 2004. P. 321-335.

Other articles and papers in Russian
1. Sorokin, C. S., (2005), "Outcome- and risk-guaranteed solution to a two-criteria dynamic

problem," *Collection of articles by young scholars of Computer Sciences Faculty of the Moscow State University*, 2, 63–73.

2. Sorokin, C. S., V. I. Zhukovskiy, (2005), "Threats and counter-threats equilibrium in one noncooperative 3 persons game." *Bulletin of the Institute of Mathematics and Informatics UdSU*, 32, 65–77.

3. Sorokin, C.S., V. I. Zhukovskiy, (2004), "Risks and outcomes in a multicriteria dynamic problem." *Bulletin of the Institute of Mathematics and Informatics UdSU*, 30, 53–64.

Conference participation with paper published in the conferences proceedings (in Russian)

1. Sorokin, C. S., The importance coefficients of a multi-criteria optimization problems // *VI All-Russian Conference "Problems of Optimization and Economic Applications:" Conference* – Omsk Branch of the Institute of Mathematics. Siberian Branch of the Russian Academy of Sciences. KAN Printing Center, 2009. P. 191.

2. Sorokin, C. S., Risks in multi-criteria dynamic problems // *"Differential Equations and Topology": International Conference dedicated to the Centennial anniversary of L. S. Pontryagin: Abstracts.* – Moscow: Publishing Department of Computer Sciences Faculty of the Moscow State University; MAKS Press, 2008. P. 398.

3. Sorokin, C. S. Existence theorem for a class of multiobjective problems with uncertainty // *Equilibrium Models of Economics and Energy: Proceedings of the All-Russian Conference and of Economics and Mathematics section of XIV Baikal International School "Optimization methods and their applications".* – Irkutsk: Pub. SEI SB RAS. 2008. P. 270–276.

4. Sorokin, C. S., V. I. Zhukovskiy, Risks in multi-criteria problems. // *International congress "Nonlinear dynamical analysis − 2007", dedicated to the 150th anniversary of Academician A. M. Lyapunov. Book of Abstracts.* – St. Petersburg State University, 2007. P. 90.

5. Sorokin, C. S., Solution of a multicriteria dynamic problem in view of risk guarantee. // *Modern Methods in Qualitative Theory of Boundary Value Problems: Proceedings of Voronezh Spring Mathematical School "Pontryagin readings − XVIII".* – Voronezh State University, 2007. P. 155.

6. Sorokin, C. S., Risks in one multi-criteria control problem under uncertainty. // *International conference "Tikhonov and contemporary mathematics", abstracts of session "Functional analysis and differential equations."* – Moscow: Publishing Department of Computer Sciences Faculty of the Moscow State University, 2006, P. 265.

7. Sorokin, C. S., Threats and counter-threats equilibrium in one dynamic game. // *Equilibrium Models of Economics and Energy: Proceedings of the All- Russian Conference and of Economics and Mathematics section of XIII Baikal International School "Optimization methods and their applications."* – Irkutsk, Pub. SEI SB RAS. 2005. P. 245-250.

8. Sorokin, C. S., Result-and-risk-guaranteed solution to a two-criteria problems. // *Automation-2004: Proceedings of the 11th International Conference on Automatic Control.* – Kiev National University of Food Technologies. 2004. P. 39.